

AUTHORS

- Blake, Ian F., *Codes and Designs*, 81-95.
- Boas, Ralph P., *Inequalities for a Collection*, 28-31.
- Borwein, Jonathan M., *Monochrome Lines in the Plane*, 41-45.
- Broline, Duane M., *Remembering of the Faces of Dice*, 312-315.
- Charlesworth, Arthur, *Infinite Loops in Computer Programs*, 284-291.
- Clarke, R.J., *Sequences of Polygons*, 102-105.
- Cleveland, Richard, *The Axioms of Set Theory*, 256-257.
- Cohen, Teresa, and Knight, William J., *Convergence and Divergence of $\sum 1/n^p$* , 178.
- Connelly, Robert, *The Rigidity of Polyhedral Surfaces*, 275-283.
- Cooke, Roger L., *An Uncharacteristic Proof of the Spectral Theorem*, 302-304.
- Crilly, Tony, *Finite Vector Spaces from Rotating Triangles*, 163-168.
- Devore, Jay L., *Estimating a Population Proportion Using Randomized Responses*, 38-40.
- Drucker, Daniel S., *A Second Look at Descartes' Rule of Signs*, 237-238.
- Edgar, Hugh M., *A Number Field Without Any Integral Basis*, 248-251.
- Elsner, Thomas E., *The Inverse of a Sum Can Be the Sum of the Inverses*, 173-174.
- Erdős, Paul, *Some Unconventional Problems*, 67-70.
- Fowler, Northrup, III, *Elementary Counterexamples in Infinite Dimensional Inner Product Spaces*, 96-97.
- Gemignani, Michael, *Think-A-Dot: A Useful Generalization*, 110-112.
- Gilbert, William J., and Green, R. James, *Negative Based Number Systems*, 240-244.
- Green, R. James, see Gilbert, William J.
- Hall, William S., and Newell, Martin L., *The Mean Value Theorem for Vector Valued Functions: A Simple Proof*, 157-158.
- Hammer, Joseph, *Lattice Points and Area-Diameter Relation*, 25-26.
- Hansen, Rodney T., and Swanson, Leonard G., *Unitary Divisors*, 217-222.
- Isaacs, Rufus, *The Distribution of Primes in a Special Ring of Integers*, 31-36.
- Kaigh, W.D., *An Attrition Problem of Gambler's Ruin*, 22-25.
- Katz, Victor J., *The History of Stokes' Theorem*, 146-156.
- Kenton, Stephen A., *Mathematical Foundations of Constitutional Law*, 223-227.
- Kiltinen, John O., *Linearity of Exponentiation*, 3-9.
- Klamkin, Murray S., and Pounder, James R., *Orthonormal Matrices*, 251-252.
- , and Tsintsifas, George A., *The Circumradius-Inradius Inequality for a Simplex*, 20-22.
- Klee, Victor, *Some Unsolved Problems in Plane Geometry*, 131-145.
- Knight, William J., see Cohen, Teresa.
- Krom, Myren, *Solution Spaces of Differential Equations*, 246-248.
- Kuivinen, Lee, see Tanis, Elliot A.
- Kullman, David E., *The Utilities Problem*, 299-302.
- Kumar, Hemant, see Mohanty, S.P.
- Lameier, Steven H., and Merkes, Edward P., *Separation of Points in the Plane*, 108-110.
- Levine, Eugene, and Papick, Ira J., *Checker Jumping in Three Dimensions*, 227-231.
- Liu, Andy C.F., *Lattice Points and Pick's Theorem*, 232-235.
- Machover, Maurice, *Orthogonality of Generalized Eigenvectors*, 244-245.
- Masat, Francis E., *A Useful Characterization of a Normal Subgroup*, 171-173.
- McCarthy, Donald, *Locks, Keys and Majority Voting*, 168-171.
- McGrew, J. Michael, *An Unusual Example of a Sphere*, 158-162.
- Merkes, Edward P., see Lameier, Steven H.

- Merrill, Samuel, *Approval Voting: A 'Best Buy' Method for Multicandidate Elections?*, 98-102.
- Mohanty, S.P., and Kumar, Hemant, *Powers of Sums of Digits*, 310-312.
- Moser, William O.J., and Newborn, Monroe, *Placing Counters to Illustrate Burnside's Lemma*, 305-309.
- Newborn, Monroe, see Moser, William O.J.
- Newell, Martin L., see Hall, William S.
- Olson, Melfried, *Sequentially So*, 297-298.
- Papick, Ira J., see Levine, Eugene.
- Pounder, James R., see Klamkin, Murray S.
- Rosenholtz, Ira, *Calculating Surface Areas from a Blueprint*, 252-256.
- Ruckle, William H., *Geometric Games of Search and Ambush*, 195-206.
- Scott, Paul R., *An Inequality for Convex Lattice Polygons*, 239-240.
- Sloane, Neil J.A., *Multiplexing Methods in Spectroscopy*, 71-80.
- Snapper, Ernst, *The Three Crises in Mathematics: Logicism, Intuitionism and Formalism*, 207-216.
- Swanson, Leonard G., see Hansen, Rodney T.
- Swetz, Frank, *The Evolution of Mathematics in Ancient China*, 10-19.
- Tanis, Elliot A., and Kuivinen, Lee, *Circular Coordinates and Computer Drawn Designs*, 175-178.
- Tsintsifas, George A., see Klamkin, Murray S.
- Williams, Richard K., *How Analytic Functions Preserve Closeness*, 106-108.
- Willmott, Richard, *Countable Yet Nowhere First Countable*, 26-27.
- Winkel, Brian J., *Elementary (My Dear Watson) Differential Equation*, 315.
- Wuffle, A., *Mo Fiorina's Advice to Children and Other Subordinates*, 292-297.
- Wunderlich, Walter, *Snapping and Shaking Antiprisms*, 235-236.
- Zvengrowski, Peter, *Iterated Absolute Differences*, 36-37.
- Cleveland, 256-257.
- Calculating Surface Areas from a Blueprint, Ira Rosenholtz, 252-256.
- Checker Jumping in Three Dimensions, Eugene Levine and Ira J. Papick, 227-231.
- Circular Coordinates and Computer Drawn Designs, Elliot A. Tanis and Lee Kuivinen, 175-178.
- Circumradius-Inradius Inequality for a Simplex, The, Murray S. Klamkin and George A. Tsintsifas, 20-22.
- Codes and Designs, Ian F. Blake, 81-95.
- Convergence and Divergence of $\sum 1/n^p$, Teresa Cohen and William J. Knight, 178.
- Countable Yet Nowhere First Countable, Richard Willmott, 26-27.
- Distribution of Primes in a Special Ring of Integers, The, Rufus Isaacs, 31-36.
- Elementary Counterexamples in Infinite Dimensional Inner Product Spaces, Northrup Fowler III, 96-97.
- Elementary (My Dear Watson) Differential Equation, Brian J. Winkel, 315.
- Estimating a Population Proportion Using Randomized Responses, Jay L. Devore, 38-40.
- Evolution of Mathematics in Ancient China, The, Frank Swetz, 10-19.
- Finite Vector Spaces from Rotating Triangles, Tony Crilly, 163-168.
- Geometric Games of Search and Ambush, William H. Ruckle, 195-206.
- History of Stokes' Theorem, The, Victor J. Katz, 146-156.
- How Analytic Functions Preserve Closeness, Richard K. Williams, 106-108.
- Inequalities for a Collection, Ralph P. Boas, 28-31.
- Inequality for Convex Lattice Polygons, An, Paul R. Scott, 239-240.
- Infinite Loops in Computer Programs, Arthur Charlesworth, 284-291.
- Inverse of a Sum Can Be the Sum of the Inverses, The, Thomas E. Elener, 173-174.
- Iterated Absolute Differences, Peter Zvengrowski, 36-37.
- Lattice Points and Area-Diameter Relation, Joseph Hammer, 25-26.
- Lattice Points and Pick's Theorem, Andy C.F. Liu, 232-235.
- Linearity of Exponentiation, John O. Kiltinen, 3-9.
- Locks, Keys and Majority Voting, Donald McCarthy, 168-171.
- Mathematical Foundations of Constitutional Law, Stephen A. Kenton, 223-

TITLES

- Approval Voting: A 'Best Buy' Method for Multicandidate Elections?, Samuel Merrill, 98-102.
- Attrition Problem of Gambler's Ruin, An, W.D. Kaigh, 22-25.
- Axioms of Set Theory, The, Richard

227.
Mean Value Theorem for Vector Valued Functions: A Simple Proof, The, William S. Hall and Martin L. Newell, 157-158.
Mo Fiorina's Advice to Children and Other Subordinates, A Wuffle, 292-297.
Monochrome Lines in the Plane, Jonathan M. Borwein, 41-45.
Multiplexing Methods in Spectroscopy, Neil J.A. Sloane, 71-80.
Negative Based Number Systems, William J. Gilbert and R. James Green, 240-244.
Number Field Without any Integral Basis, A, Hugh M. Edgar, 248-251.
Orthogonality of Generalized Eigenvectors, Maurice Machover, 244-245.
Orthonormal Matrices, Murray S. Klamkin and James R. Powder, 251-252.
Placing Counters to Illustrate Burnside's Lemma, William O.J. Moser and Monroe Newborn, 305-309.
Powers of Sums of Digits, S.P. Mohanty and Hemant Kumar, 310-312.
Renumbering of the Faces of Dice, Duane M. Broline, 312-315.
Rigidity of Polyhedral Surfaces, The, Robert Connelly, 275-283.
Second Look at Descartes' Rule of Signs, A, Daniel S. Drucker, 237-238.
Separation of Points in the Plane, Steven H. Lameier and Edward P. Merkes, 108-110.
Sequences of Polygons, R.J. Clarke, 102-105.
Sequentially So, Melfried Olson, 297-298.
Snapping and Shaky Antiprisms, Walter Wunderlich, 235-236.
Solution Spaces of Differential Equations, Myren Krom, 246-248.
Some Unconventional Problems in Number Theory, Paul Erdős, 67-70.
Some Unsolved Problems in Plane Geometry, Victor Klee, 131-145.
Think-A-Dot: A Useful Generalization, Michael Gemignani, 110-112.
Three Crises in Mathematics: Logicism, Intuitionism and Formalism, The, Ernst Snapper, 207-216.
Uncharacteristic Proof of the Spectral Theorem, An, Roger L. Cooke, 302-304.
Unitary Divisors, Rodney T. Hansen and Leonard G. Swanson, 217-222.
Unusual Example of a Sphere, An, J. Michael McGrew, 158-162.
Useful Characterization of a Normal Subgroup, A, Francis E. Masat, 171-173.

Utilities Problem, The, David E. Kullman, 299-302.

PROBLEMS

Proposals, Solutions and Quickies are indexed below by means of the code letters P, S, and Q, respectively. Page numbers are given in parentheses. Thus, P1078(258) refers to proposal number 1078 which appears on page 258.

Addor, Peter, S1023(53).
Ahuja, Mangho, S1018(50).
Ampe, John, S1050(322).
Anon., Q663(317).
Bager, Anders, S1045(263).
Barger, S.F., S1041(262).
Beigel, Richard, S1034(183).
Benkoski, Stanley J., S1034(183).
Boas, R.P., P1078(258).
Bracken, Paul, S1043(320).
Browne, Joseph, P1071(114).
Chamberlain, Mike, S1031(116).
Clark, Robert, S1012(47), S1048(321).
Daykin, David E., P1059(46).
Dixon, Michael J., S1036(260).
Dunson, Philip M., P1075(258).
Edgar, G.A., P1062(46).
Elsner, Thomas E., P1070(113).
Erdős, Paul, S1029(180).
Eves, Howard, S1020(51), S1028(180).
Freed, Daniel S., S1013(48).
Gardner, C.S., P1082(316).
Garlick, P.K., S1040(261).
Gerstell, Marguerite, S1026(55).
Gibbs, Richard A., S1016(49).
Gohbold, Landy, S1024(53).
Gregory, M.B., S1039(260).
Hammer, David, P1069(113).
Hesterberg, Tim, S1021(51).
Hudson, Joseph C., P1070(113).
Isaacson, Eli L., S1030(115), S1046(264), S1047(265).
Kestelman, H., P1058(46), P1065(47), S1035(259).
Klamkin, M.S., P1067(113), P1076(258), P1083(316), S1035(259), S1043(320), Q658(114), Q662(259), Q664(317).
Klostergaard, Henry, P1077(258).
Kuper, Lenny, S1038(319).
Lindstrom, Peter W., S1032(118).
Liu, A., P1083(316).
Loud, Graham, S1037(319).
Lyons, Russell, S1031(116).
McCravy, Edwin P., P1081(316).
McGrath, J. Phipps, Q661(179).
McMullen, Curt, S1025(54).
McWorter, William A., Jr., P1084(317).